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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/687,777	10/13/2000	Mukesh Patel	032481-021	1065

8791 7590 06/18/2003

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EXAMINER

DAS, CHAMELI

ART UNIT	PAPER NUMBER
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2122

DATE MAILED: 06/18/2003

17

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 09/687,777	Applicant(s) PATEL, MUKESH	
	Examiner C.DAS	Art Unit 2122	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 13 October 2000.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-9,16-34 and 37-108 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☐ Claim(s) _____ is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☒ Claim(s) 1-9,16-34 and 37-108 are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☒ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s). _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____ | 6) <input type="checkbox"/> Other: _____ |

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1. Claims 10-15, 35-36 are canceled.
2. Claim number '24' has repeated twice. Appropriate correction is required.

Election/Restriction

3. Restriction to one of the following inventions is required under 35 U.S.C. 121:
 - I. Claims 1-9, 60, drawn to embodiments of a system comprising a pipelined central processing unit with associated native program counter; hardware accelerator operably connected to the central processing unit, the system is such that when the CPU returns from an interrupt, the reissue buffer examines the indication to determine whether to reissue a stored native instruction value, classified in class 717/149.
 - II Claims 16- 26, 37-42, 46-49, 98-100, drawn to embodiments of interpretation of the first set to produce a native instruction, classified in class 717/139.
 - III Claims 27- 34, 61-62, 65, 87-94, drawn to embodiments of stack-based instruction is translated into a single register-based instruction, classified in class 717/136.
 - IV Claims 43-45, 50-59, 63, 101-108 drawn to embodiments execution of the Java byte codes, and stack based instructions execution classified in class 717/148.

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V Claims 64, 66-86, 95-97 drawn to embodiments overflow or underflow indication, classified in class 717/126.

4. The inventions are distinct from each other because of the following reasons:

Inventions I and II are related as subcombinations disclosed as usable together in a single combination. The subcombinations are distinct from each other if they are shown to be separately usable. Each respective invention has utility in a system not having the other. See MPEP § 806.05(d).

5. Inventions I and III are related as subcombinations discloses as usable together in a single combination. The subcombinations are distinct from each other if they are shown to be separately usable. Each respective invention has utility in a system not having the other. See MPEP § 806.05(d).

6. Inventions I and IV are related as subcombinations discloses as usable together in a single combination. The subcombinations are distinct from each other if they are shown to be separately usable. Each respective invention has utility in a system not having the other. See MPEP § 806.05(d).

7. Inventions I and V are related as subcombinations discloses as usable together in a single combination. The subcombinations are distinct from each other if they are shown to be separately usable. Each respective invention has utility in a system not having the other. See MPEP § 806.05(d).

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8. A telephone call was made to Mr. Joseph P.O. Malley on 6/2/03 to request an oral election to the above restriction requirement, but did not result in an election being made.

Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

10. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Chameli Das whose telephone number is 703-305-1339.

The examiner can normally be reached on Monday-Friday from 8:00 .A.M. to 4:30 P.M.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor Greg Morse can be reached at 703-308-4789. The fax number for this group are:

(703) 746-7239 (official fax), (703) 746-7240 (non-official/draft), (703)746-7238 (after final).

An inquiry of general nature or relating to the status of this application or proceeding should be directed to the group receptionist whose telephone number is 703-305-9600.



Chameli C. Das

Patent Examiner

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6/14/03